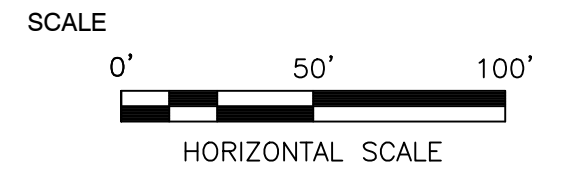


TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
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DATE	05/21/21

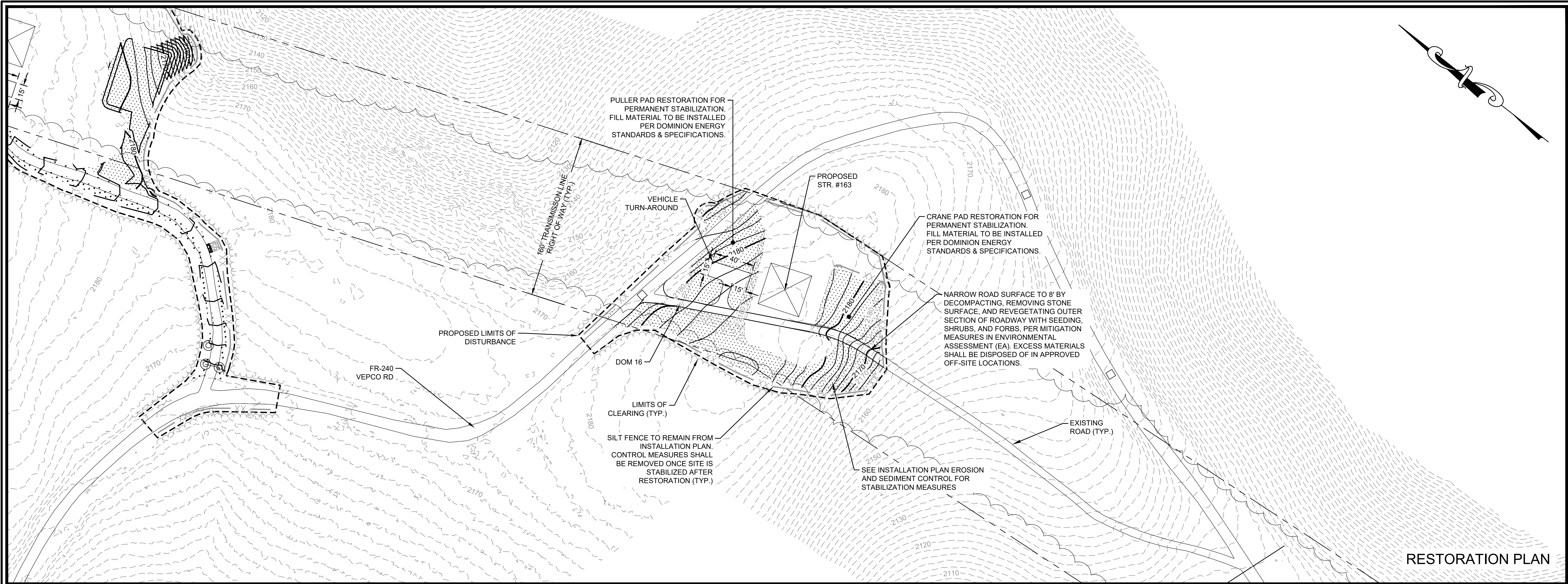
TITLE

FR240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R1

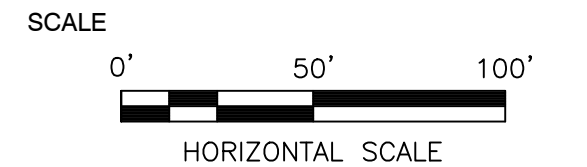
SHEET NO.



TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
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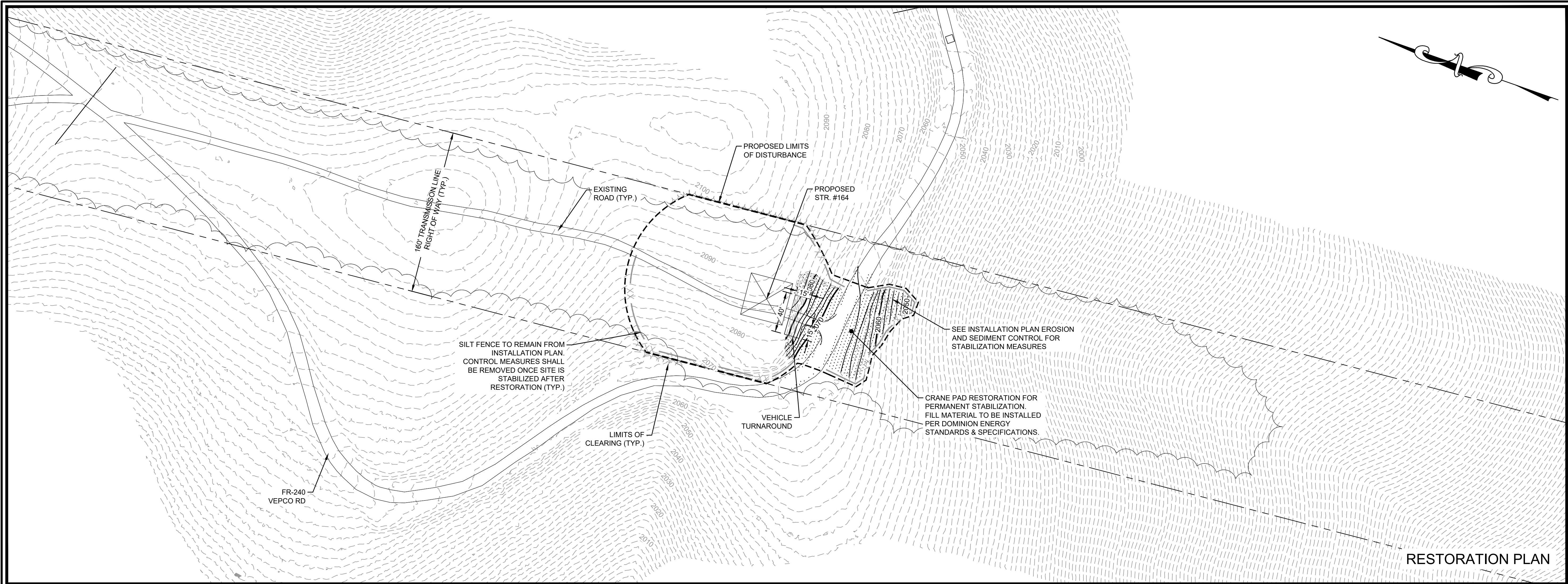
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CHECKED BY	ARB
DATE	05/21/21
TITLE	

STR 164
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R2

SHEET NO.



RESTORATION PLAN

STR. 164 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
INSTALL CRANE PAD AT STR. #164	457.5	156.9	300.6 (CUT)
INSTALLATION TOTALS	457.5	156.9	300.6 (CUT)

STR. 164 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE CRANE PAD AT STR. #164	156.6	457.2	300.6 (FILL)
RESTORATION TOTALS	156.6	457.2	300.6 (FILL)

FINAL EARTHWORK BALANCE	
	NET (CY)
STR. #164 INSTALLATION	300.6 (CUT)
STR. #164 RESTORATION	300.6 (FILL)
STR. #164 ROAD TOTAL	0 (CUT)

EARTHWORK NOTES

- EXCESS MATERIALS SHALL BE STORED IN TEMORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE47.
- WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
- OVERALL EARTHWORK BALANCES FOR CE47 WILL BE PROVIDED IN SUMMARY TABLE.

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-07 FOR "INSTALLATION PLAN".
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
- FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
- CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
- NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
- IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
- REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
- EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
- PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

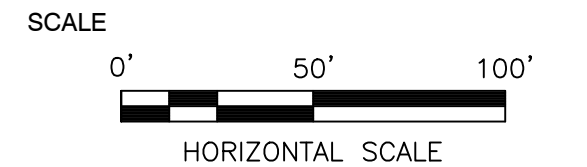
HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

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CHECKED BY ARB
DATE 05/21/21

TITLE

FR240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

DOM17-R3

SHEET NO.



VEPCO ROAD WIDENING INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD WIDENING IMPROVEMENT	89.8	32.6	57.2 (CUT)
INSTALLATION TOTALS	89.8	32.6	57.2 (CUT)

VEPCO ROAD WIDENING RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE VEPKO ROAD WIDENING	0	0	0 (FILL)
RESTORATION TOTALS	0	0	0 (FILL)

FINAL EARTHWORK BALANCE	
	NET (CY)
VEPCO ROAD WIDENING INSTALLATION	57.2 (CUT)
VEPCO ROAD WIDENING RESTORATION	0 (FILL)
VEPCO ROAD WIDENING TOTAL	57.2 (CUT)

EARTHWORK NOTES

- EXCESS MATERIALS SHALL BE STORED IN TEMORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE47.
- WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
- OVERALL EARTHWORK BALANCES FOR CE47 WILL BE PROVIDED IN SUMMARY TABLE.

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET DOM17-01 FOR "INSTALLATION PLAN".
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
- FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
- CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
- NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
- IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
- REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
- EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
- PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

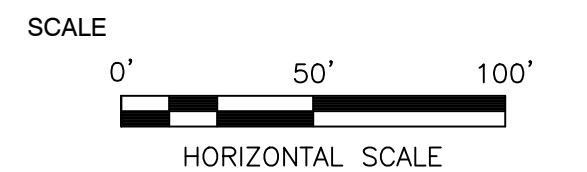
HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
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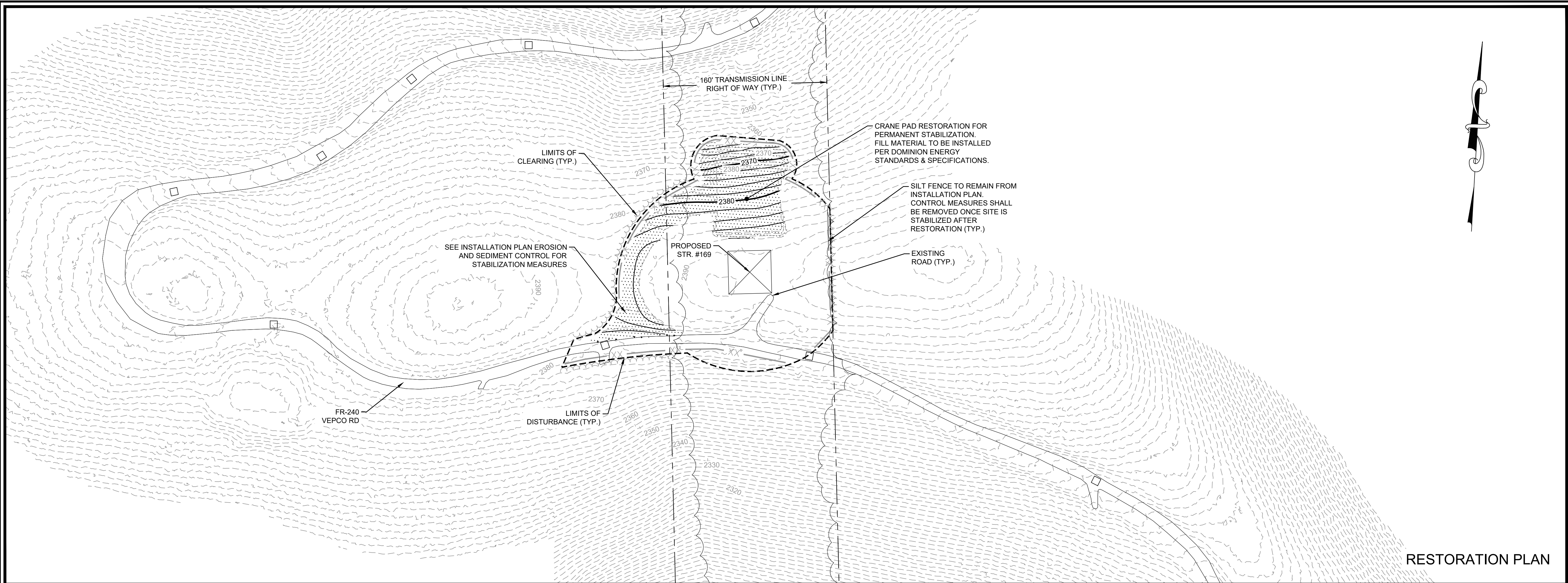
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CHECKED BY	ARB
DATE	05/21/21
TITLE	

STR 169
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R4

SHEET NO.



STR. 169 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
INSTALL CRANE PAD AT STR. #169	410.2	601.8	191.6 (FILL)
INSTALLATION TOTALS	410.2	601.8	191.6 (FILL)

STR. 169 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE CRANE PAD AT STR. #169	599.5	411.2	188.3 (CUT)
RESTORATION TOTALS	599.5	411.2	188.3 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STR. #169 INSTALLATION	191.6 (FILL)
STR. #169 RESTORATION	188.3 (CUT)
STR. #169 ROAD TOTAL	3.3 (FILL)

EARTHWORK NOTES

- EXCESS MATERIALS SHALL BE STORED IN TEMORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE47.
- WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
- OVERALL EARTHWORK BALANCES FOR CE47 WILL BE PROVIDED IN SUMMARY TABLE.

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-20 FOR "INSTALLATION PLAN".
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
- FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
- CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
- NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
- IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
- REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
- EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
- PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

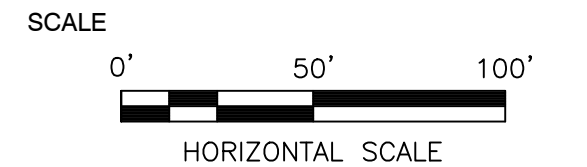
HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

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DATE	05/21/21

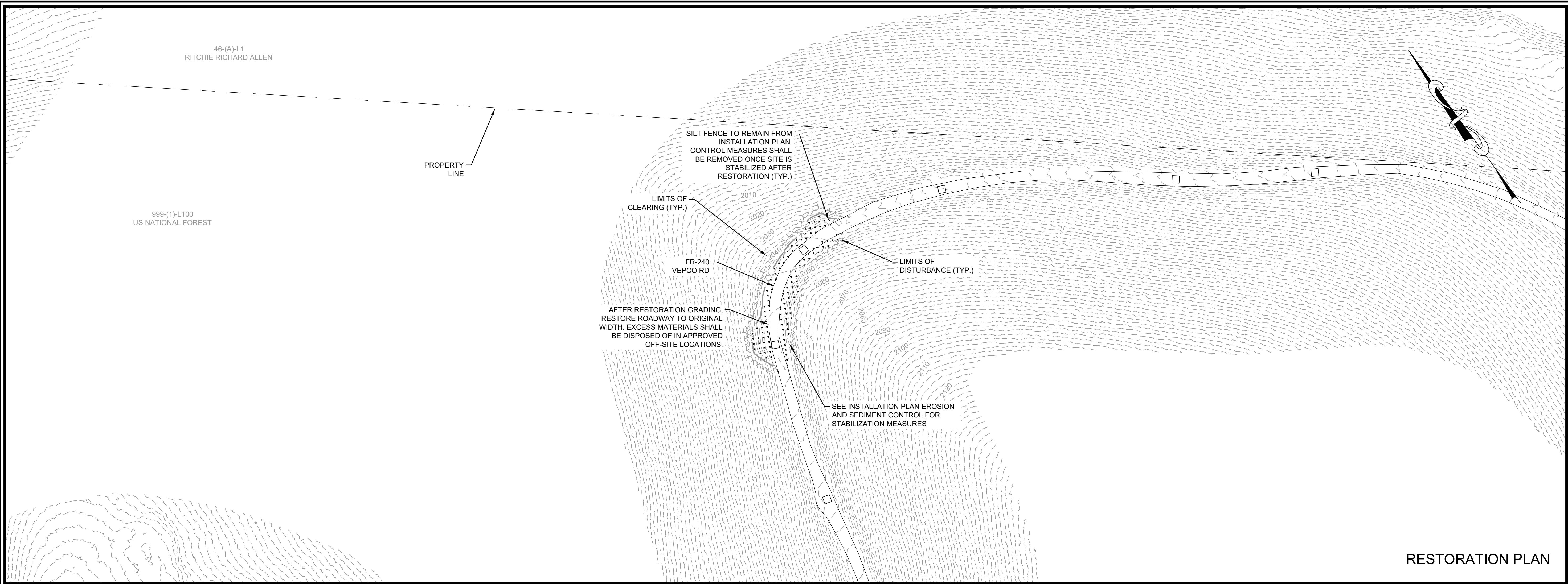
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R5

SHEET NO.



VEPCO RD WIDENING INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
INSTALL VEPKO RD WIDENING	117.0	63.7	53.3 (CUT)
INSTALLATION TOTALS	117.0	63.7	53.3 (FILL)

VEPCO RD WIDENING RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE VEPKO RD WIDENING	0	0	0 (CUT)
RESTORATION TOTALS	0	0	0 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
VECO RD WIDENING INSTALLATION	53.3 (CUT)
VEPCO RD WIDENING RESTORATION	0 (FILL)
VEPCO ROAD WIDENING TOTAL	53.3 (CUT)

EARTHWORK NOTES

- EXCESS MATERIALS SHALL BE STORED IN TEMORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE47.
- WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
- OVERALL EARTHWORK BALANCES FOR CE47 WILL BE PROVIDED IN SUMMARY TABLE.

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-26 FOR "INSTALLATION PLAN".
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
- FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
- CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
- NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
- IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
- REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
- EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
- PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

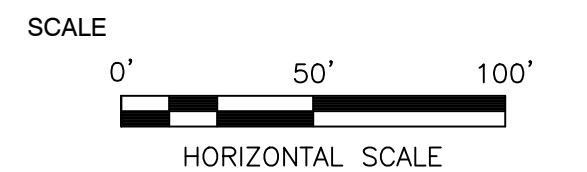
HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
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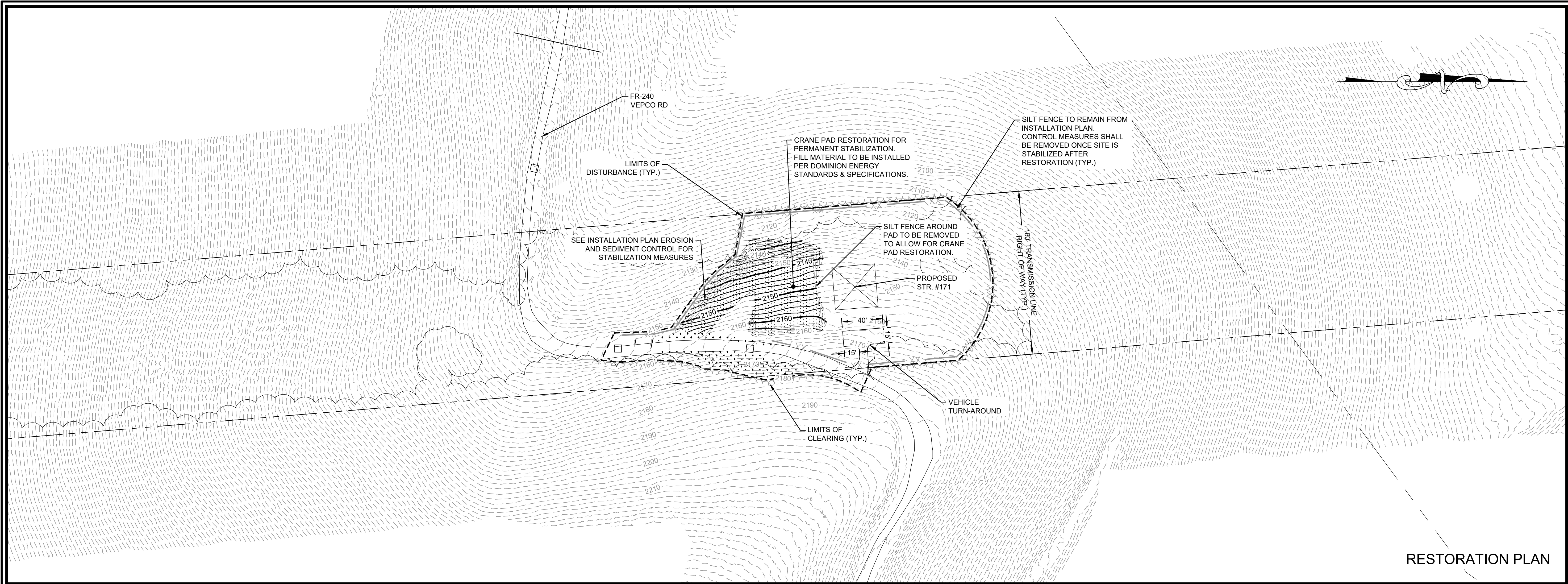
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DRAWN BY	JDE
APPROVED BY	
CHECKED BY	ARB
DATE	05/21/21
TITLE	

STR 171
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R6

SHEET NO.



RESTORATION PLAN

STR. #171 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO RD IMPROVEMENT	56.8	9.2	47.6 (CUT)
INSTALL CRANE PAD AT STR. #171	579.9	1203	623.1 (FILL)
INSTALLATION TOTALS	636.7	1212.2	575.5 (FILL)

STR. #171 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE CRANE PAD AT STR. #171	1203.3	579.0	624.3 (CUT)
RESTORATION TOTALS	1203.3	579.0	624.3 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STR. #171 INSTALLATION	575.5 (FILL)
STR. #171 RESTORATION	624.3 (CUT)
STR. #171 TOTAL	48.8 (CUT)

- EARTHWORK NOTES
- EXCESS MATERIALS SHALL BE STORED IN TEMORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE47.
 - WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
 - OVERAL EARTHWORK BALANCES FOR CE47 WILL BE PROVIDED IN SUMMARY TABLE.

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-29 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
 - FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
 - CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
 - NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
 - IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
 - REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
 - EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
 - PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND	
	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA



TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
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SEAL

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SCALE

0' 50' 100'

HORIZONTAL SCALE

0' 25' 50'

VERTICAL SCALE

REVISIONS	
DRAWN BY	JDE
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CHECKED BY	ARB
DATE	05/21/21

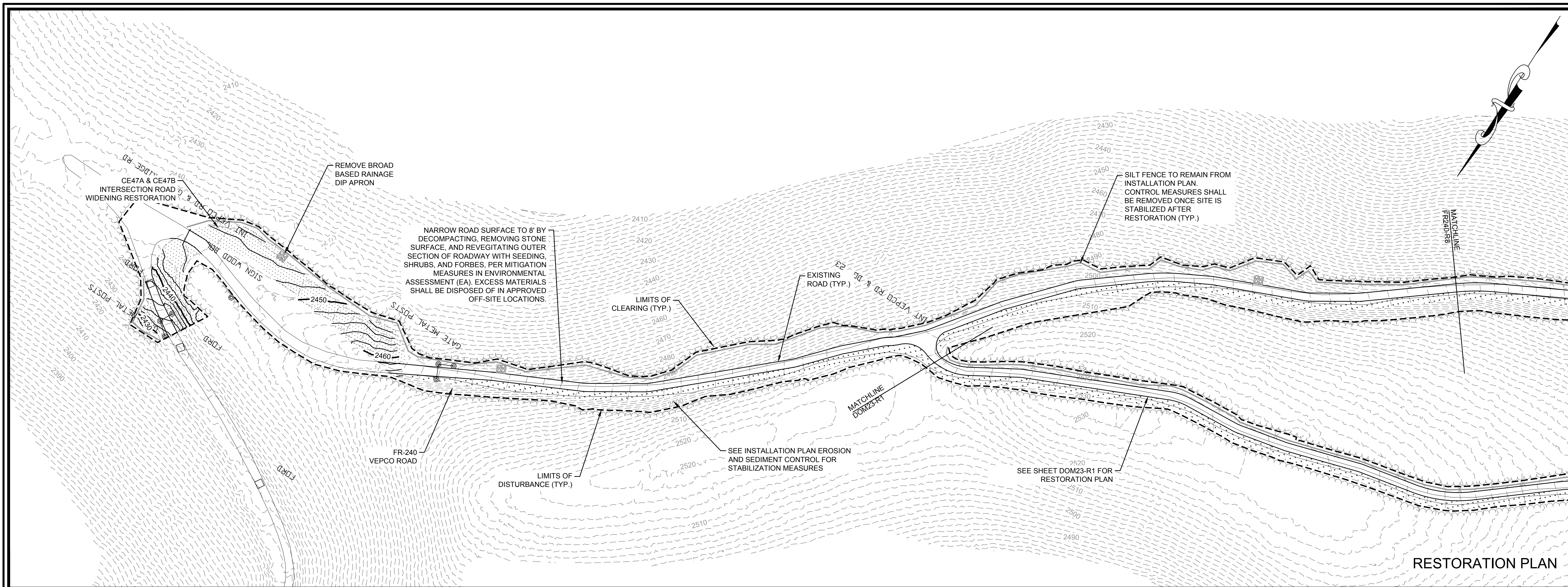
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R7

SHEET NO.



STA 419+50 TO 433+50 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	1081.4	687.9	393.5 (CUT)
INSTALLATION TOTALS	1081.4	687.9	393.5 (CUT)







STA 419+50 TO 433+50 RESTORATION PLAN EARTHWORK CALCULATIONS				
	CUT (CY)	FILL (CY)	NET (CY)	
RESTORE VEPCO ROAD IMPROVEMENT	166.7	231.8	65.1	(FILL)
8' ROAD DECOMPACTING	207.4	0.0	207.4	(CUT)
RESTORATION TOTALS	374.1	231.8	142.3	(CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 419+50 TO 433+50 INSTALLATION	393.5 (CUT)
STA 419+50 TO 433+50 RESTORATION	142.3 (CUT)
STA 419+50 TO 433+50 TOTAL	535.8 (CUT)



RESTORATION PLAN NOTES

1. PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-32 FOR "INSTALLATION PLAN".
2. FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
3. FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR FOR DISTURBED LANDS AND DISTURBED WATERS. ON THE DRAWING, FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
4. CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
5. ROAD-LOWED ROADWAY SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
6. IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
7. REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
8. EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
9. PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND

	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

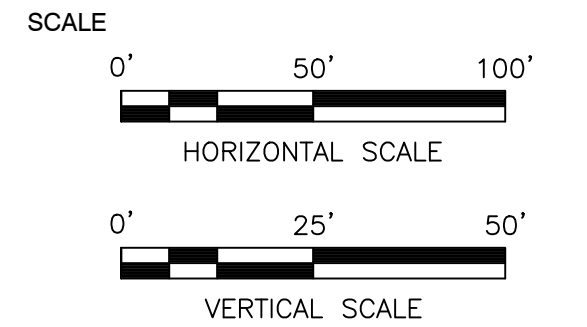
HATCH LEGEND

	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

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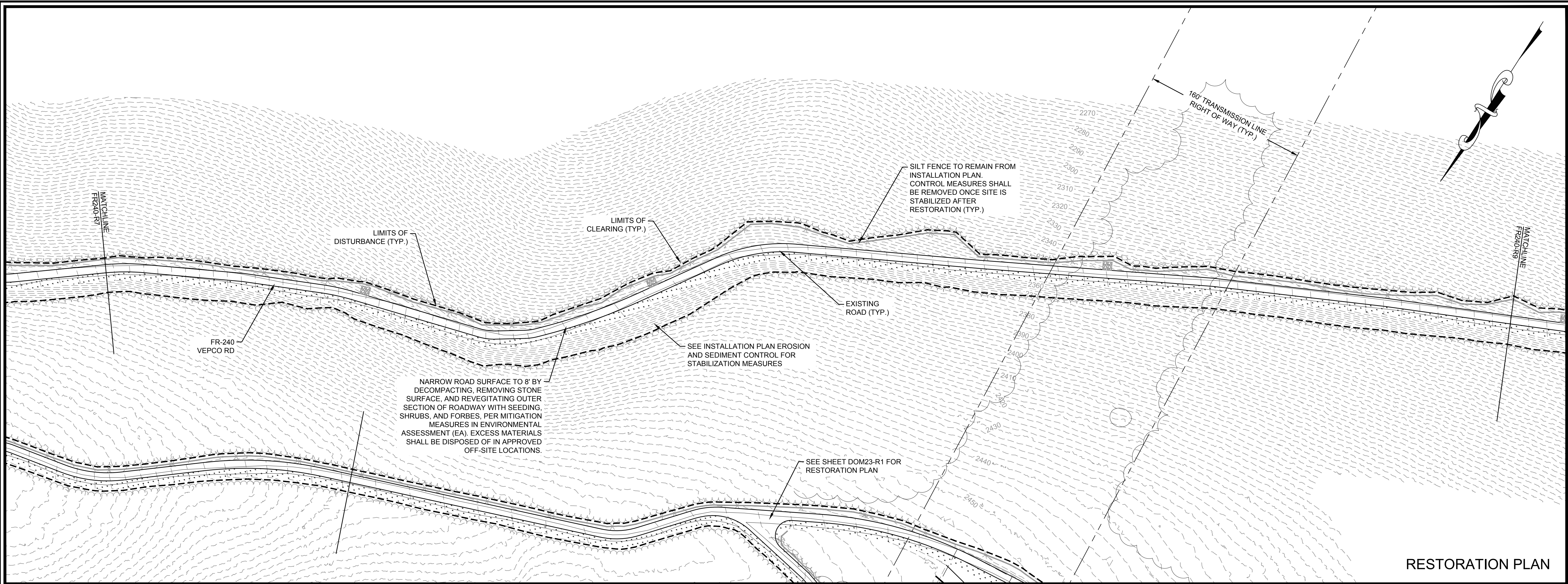
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R8

SHEET NO.



RESTORATION PLAN

STA 433+50 TO 447+50 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	2486.6	367.7	2118.9 (CUT)
INSTALLATION TOTALS	2486.6	367.7	2118.9 (CUT)

STA 433+50 TO 447+50 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 433+50 TO 447+50 INSTALLATION	2118.9 (CUT)
STA 433+50 TO 447+50 RESTORATION	207.4 (CUT)
STA 433+50 TO 447+50 TOTAL	2326.3 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-33 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
 - FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
 - CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
 - NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
 - IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
 - REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
 - EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
 - PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

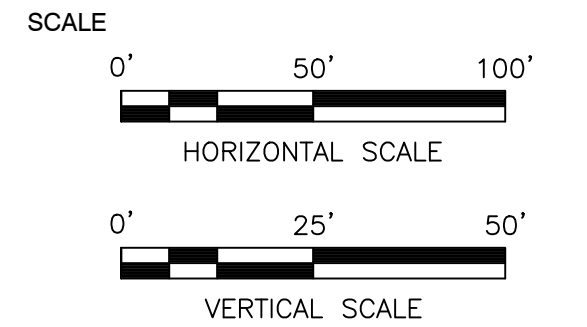
E&SC LEGEND	
	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

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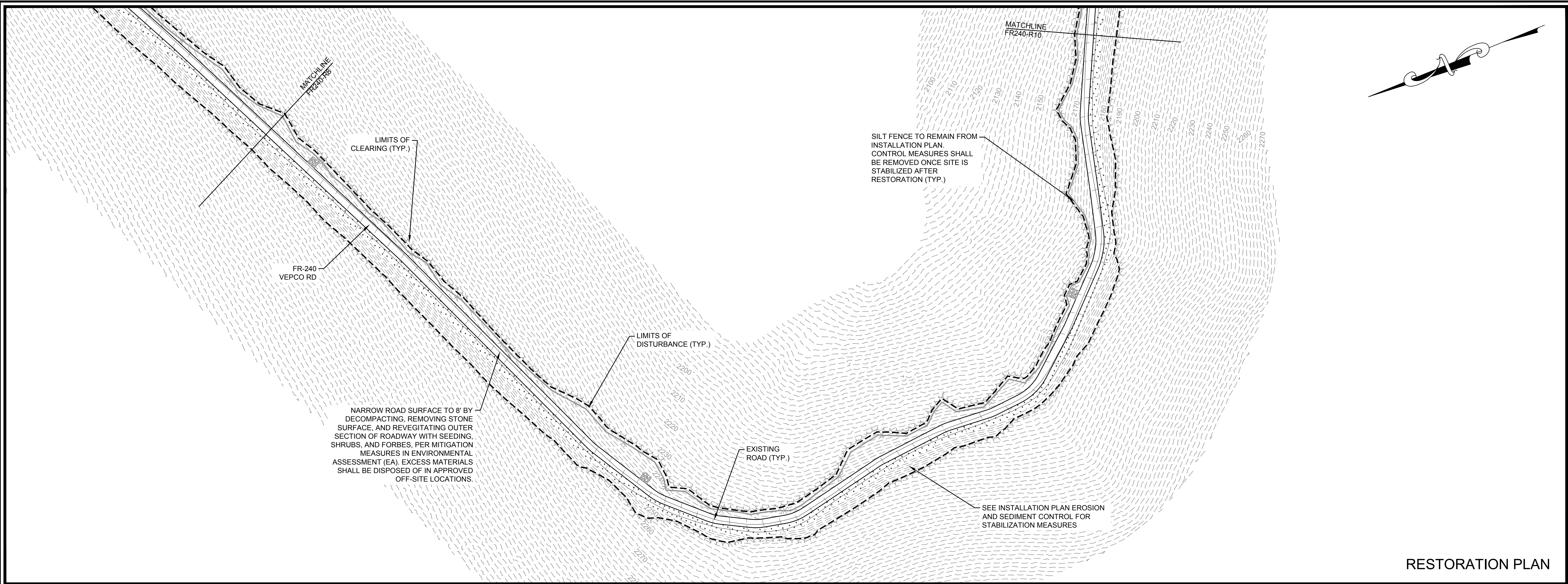
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R9

SHEET NO.



RESTORATION PLAN

STA 447+50 TO 460+50 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	1372.0	631.0	741.0 (CUT)
INSTALLATION TOTALS	1372.0	631.0	741.0 (CUT)

STA 447+50 TO 460+50 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	192.6	0.0	192.6 (CUT)
RESTORATION TOTALS	192.6	0.0	192.6 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 447+50 TO 460+50 INSTALLATION	741.0 (CUT)
STA 447+50 TO 460+50 RESTORATION	192.6 (CUT)
STA 447+50 TO 460+50 TOTAL	933.6 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-34 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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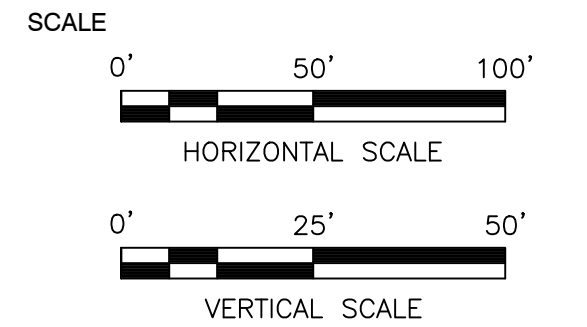
E&SC LEGEND	
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	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
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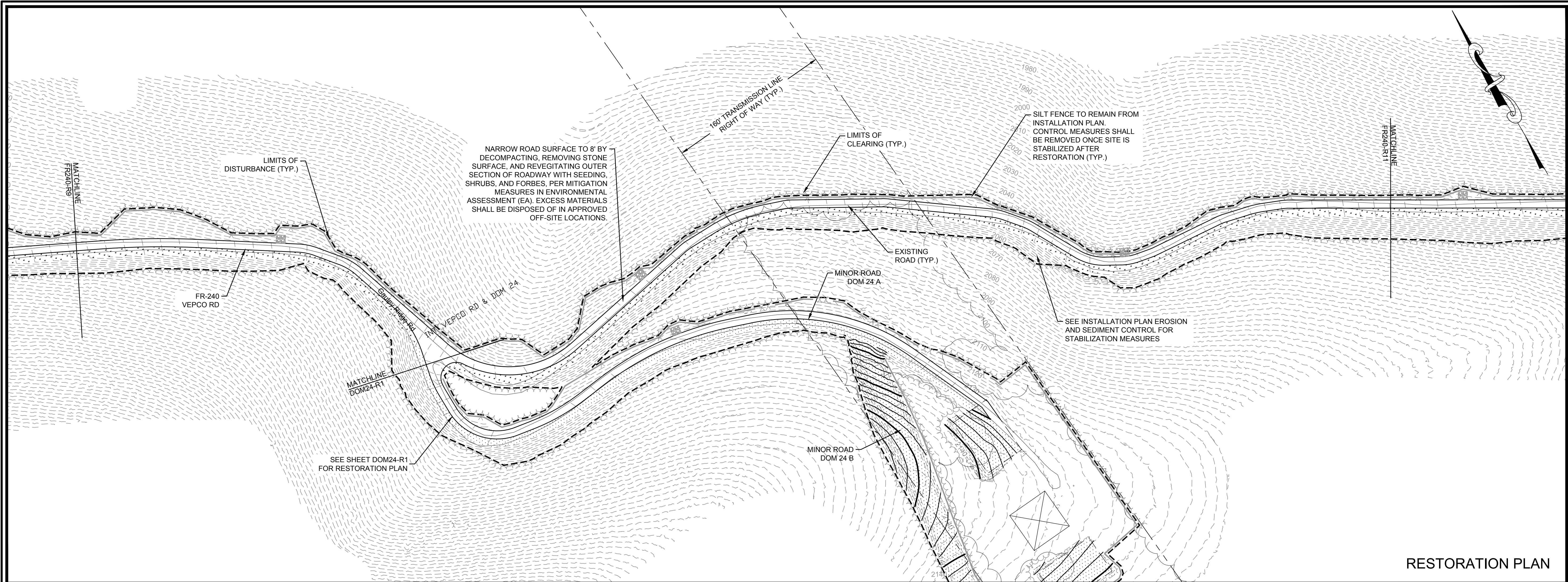
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R10

SHEET NO.



RESTORATION PLAN

STA 460+50 TO 474+50 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	2045.0	485.4	1559.6 (CUT)
INSTALLATION TOTALS	2045.0	485.4	1559.6 (CUT)

STA 460+50 TO 474+50 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 460+50 TO 474+50 INSTALLATION	1559.6 (CUT)
STA 460+50 TO 474+50 RESTORATION	207.4 (CUT)
STA 460+50 TO 474+50 TOTAL	1767.0 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-35 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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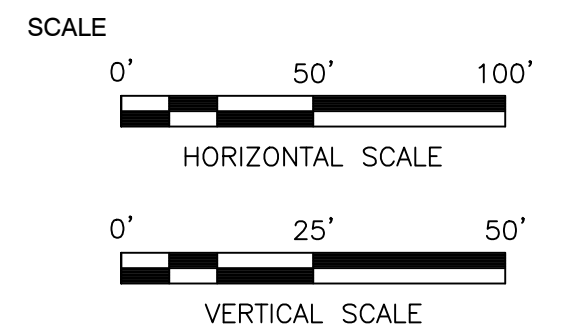
E&SC LEGEND	
	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
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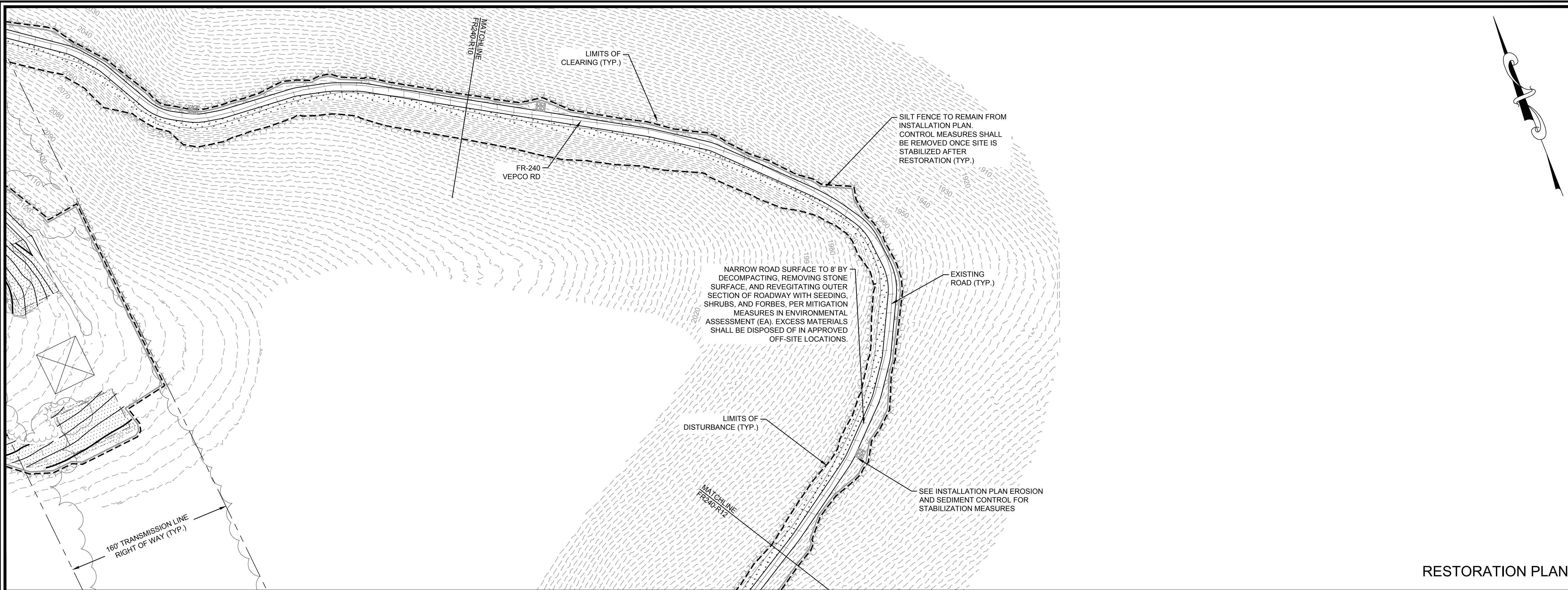
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R11

SHEET NO.



RESTORATION PLAN

STA 474+50 TO 482+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	1517.5	127.7	1389.8 (CUT)
INSTALLATION TOTALS	1517.5	127.7	1389.8 (CUT)

STA 474+50 TO 482+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	111.1	0.0	111.1 (CUT)
RESTORATION TOTALS	111.1	0.0	111.1 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 474+50 TO 482+00 INSTALLATION	1389.8 (CUT)
STA 474+50 TO 482+00 RESTORATION	111.1 (CUT)
STA 474+50 TO 482+00 TOTAL	1500.9 (CUT)

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-36 FOR "INSTALLATION PLAN"
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

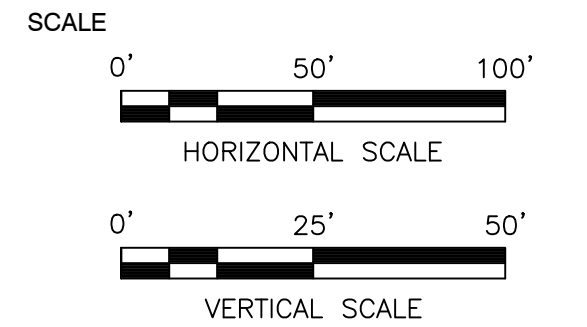
HATCH LEGEND

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- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
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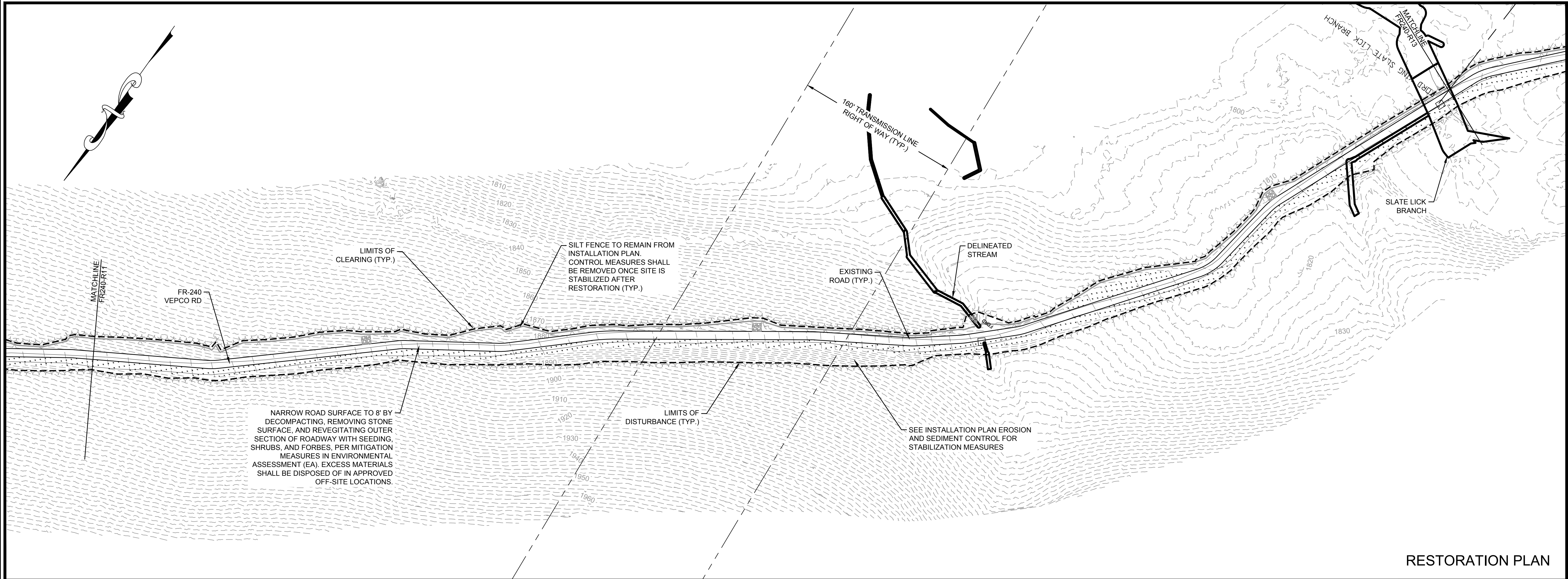
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R12

SHEET NO.



RESTORATION PLAN

STA 482+00 TO 496+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	812.3	687.2	125.1 (CUT)
INSTALLATION TOTALS	812.3	687.2	125.1 (CUT)

STA 482+00 TO 496+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 482+00 TO 496+00 INSTALLATION	125.1 (CUT)
STA 482+00 TO 496+00 RESTORATION	207.4 (CUT)
STA 482+00 TO 496+00 TOTAL	332.5 (CUT)

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-37 FOR "INSTALLATION PLAN".
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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E&SC LEGEND

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- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

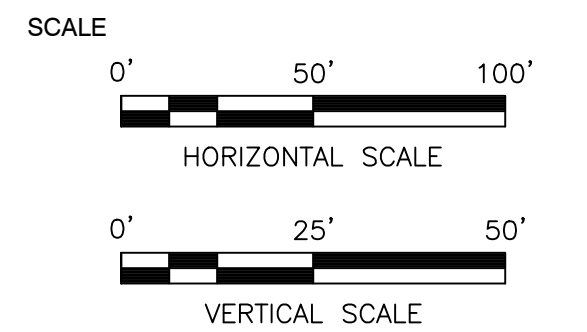
HATCH LEGEND

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- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
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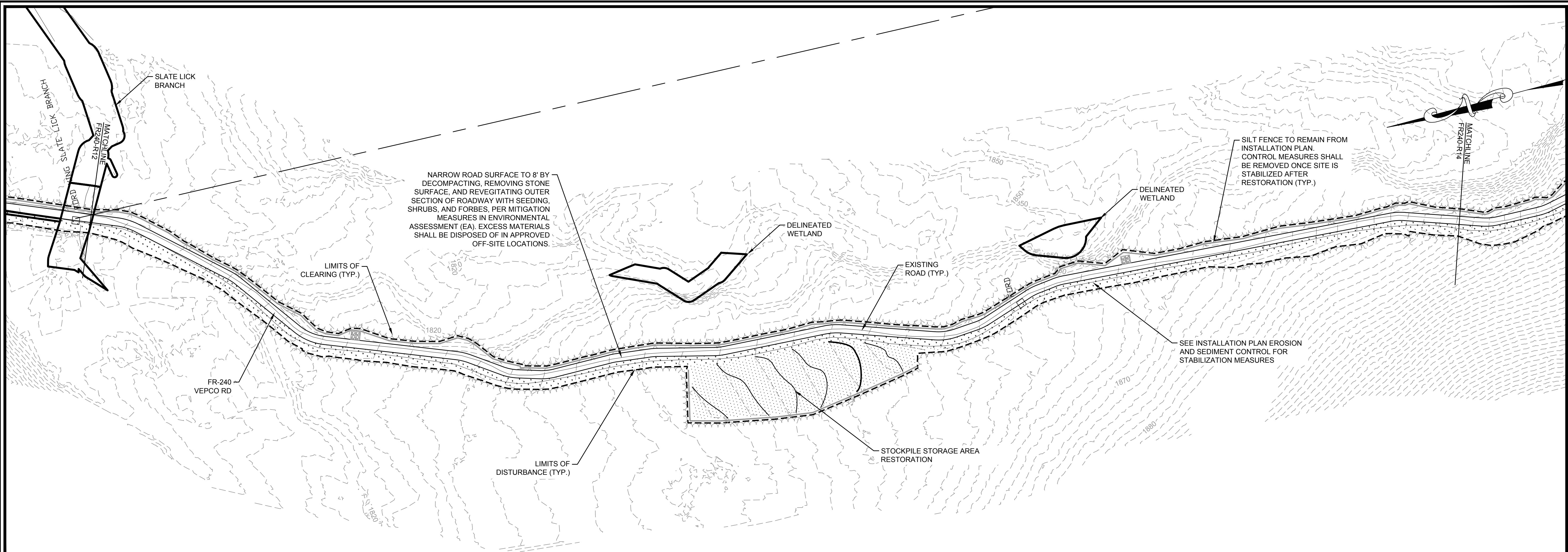
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REVISIONS	
DRAWN BY	JDE
APPROVED BY	
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DATE	05/21/21
TITLE	
FR-240 VEPCO ROAD RESTORATION PLAN	
PROJECT NO.	50106442

FR240-R13

SHEET NO.



RESTORATION PLAN

STA 496+00 TO 510+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	225.0	550.8	325.8 (FILL)
INSTALL STOCKPILE STORAGE AREA	2.0	193.9	191.9 (FILL)
INSTALLATION TOTALS	227.0	744.7	517.7 (FILL)

STA 496+00 TO 510+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE STOCKPILE STORAGE AREA	229.4	1.5	227.9 (CUT)
8' ROAD DECOMPACTING	207.4	0	207.4 (CUT)
RESTORATION TOTALS	436.8	1.5	435.3 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 496+00 TO 510+00 INSTALLATION	517.7 (FILL)
STA 496+00 TO 510+00 RESTORATION	435.3 (CUT)
STA 496+00 TO 510+00 TOTAL	82.4 (FILL)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-38 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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E&SC LEGEND

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- PROPOSED SILT FENCE
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- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

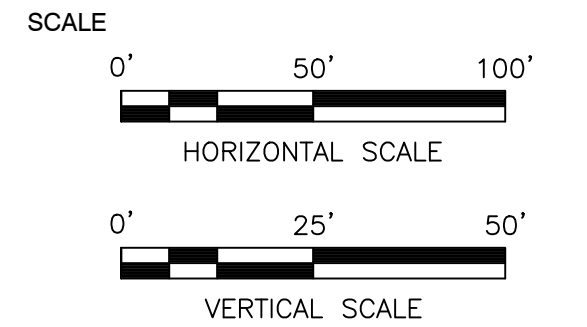
HATCH LEGEND

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PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
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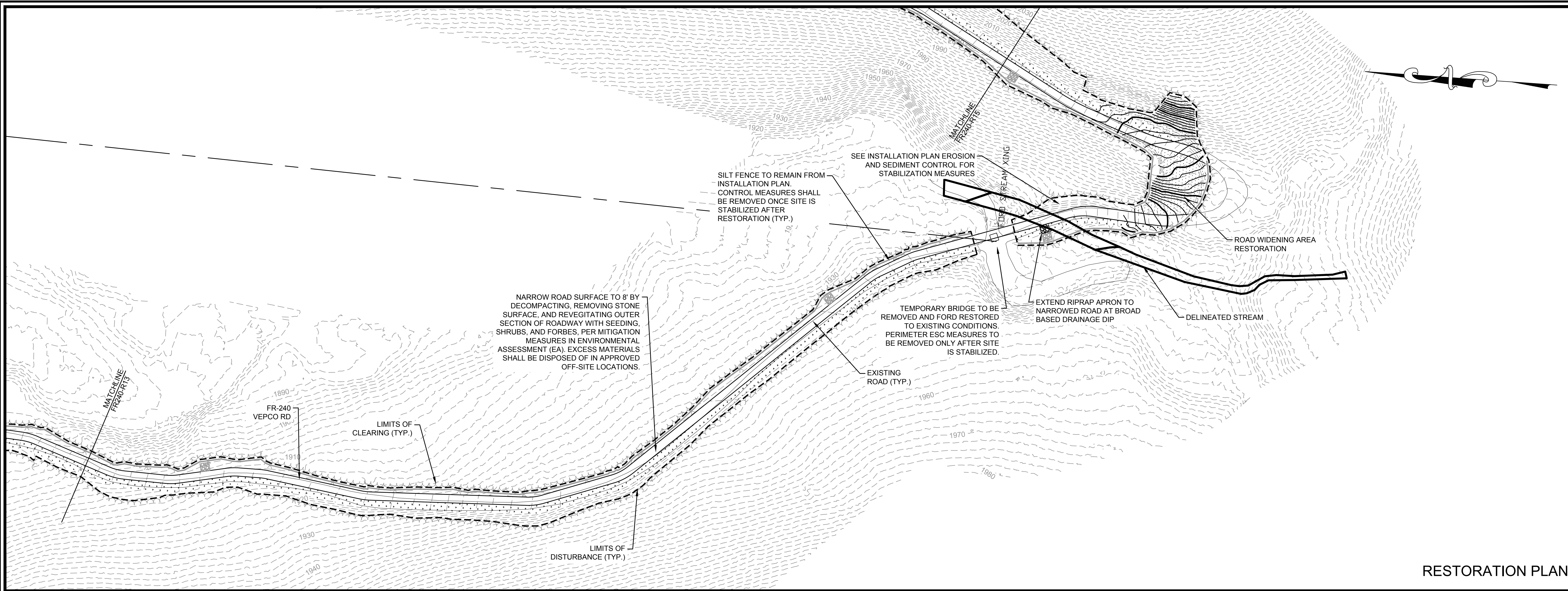
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REVISIONS	
DRAWN BY	JDE
APPROVED BY	
CHECKED BY	ARB
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FR-240 VEPCO ROAD RESTORATION PLAN	
PROJECT NO.	50106442

FR240-R14

SHEET NO.



RESTORATION PLAN

STA 510+00 TO 524+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	2136.5	319.6	1816.9 (CUT)
INSTALLATION TOTALS	2136.5	319.6	1816.9 (CUT)

STA 510+00 TO 524+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE VEPKO ROAD IMPROVEMENT	4.7	1007.7	1003.0 (FILL)
8' ROAD DECOMPACTING	207.4	0	207.4 (CUT)
RESTORATION TOTALS	212.1	1007.7	795.6 (FILL)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 510+00 TO 524+00 INSTALLATION	1816.9 (CUT)
STA 510+00 TO 524+00 RESTORATION	795.6 (FILL)
STA 510+00 TO 524+00 TOTAL	1021.3 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-39 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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 - IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
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 - PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

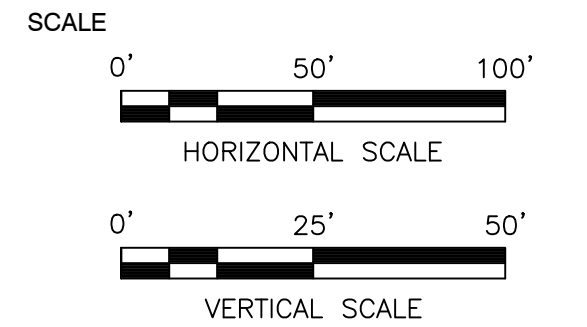
E&SC LEGEND	
	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

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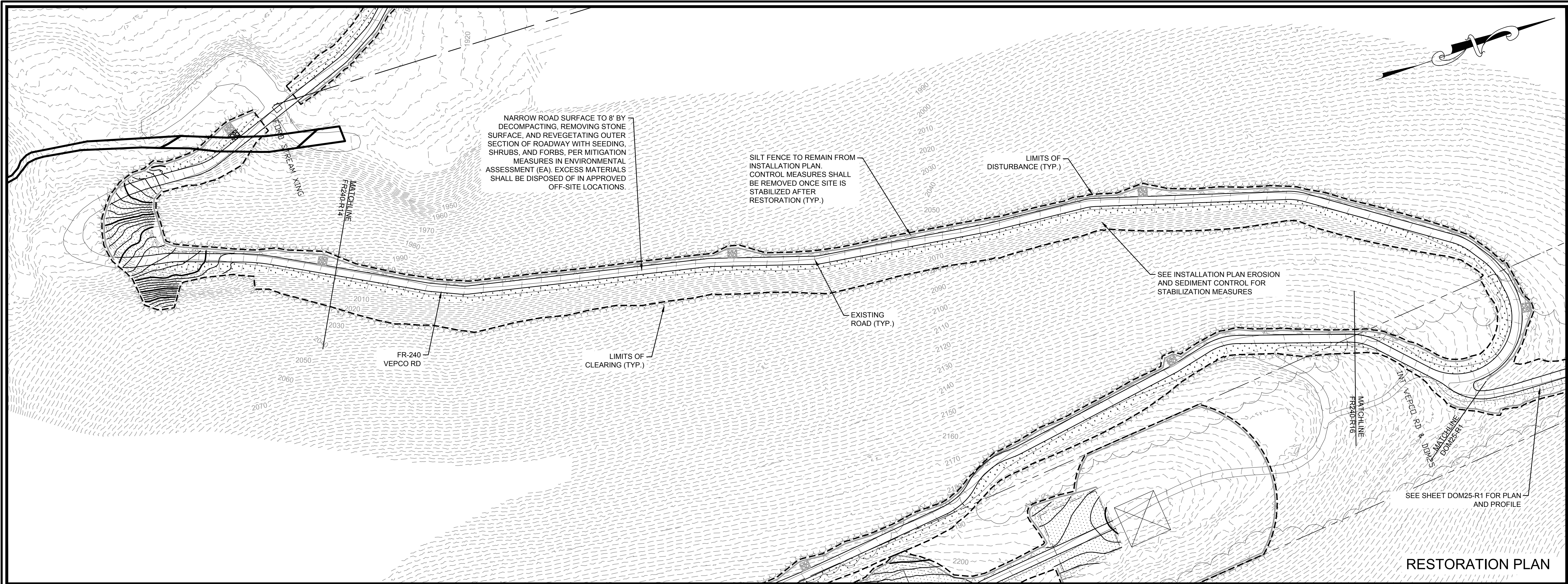
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R15

SHEET NO.



RESTORATION PLAN

STA 524+00 TO 538+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	4380.3	30.4	4349.9 (CUT)
INSTALLATION TOTALS	4380.3	30.4	4349.9 (CUT)

STA 524+00 TO 538+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 524+00 TO 538+00 INSTALLATION	4349.9 (CUT)
STA 524+00 TO 538+00 RESTORATION	207.4 (CUT)
STA 524+00 TO 538+000 TOTAL	4557.3 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-40 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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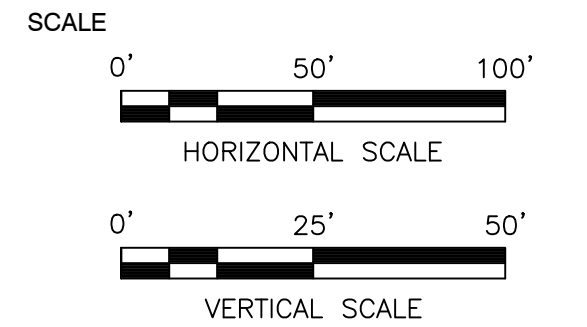
E&SC LEGEND	
	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
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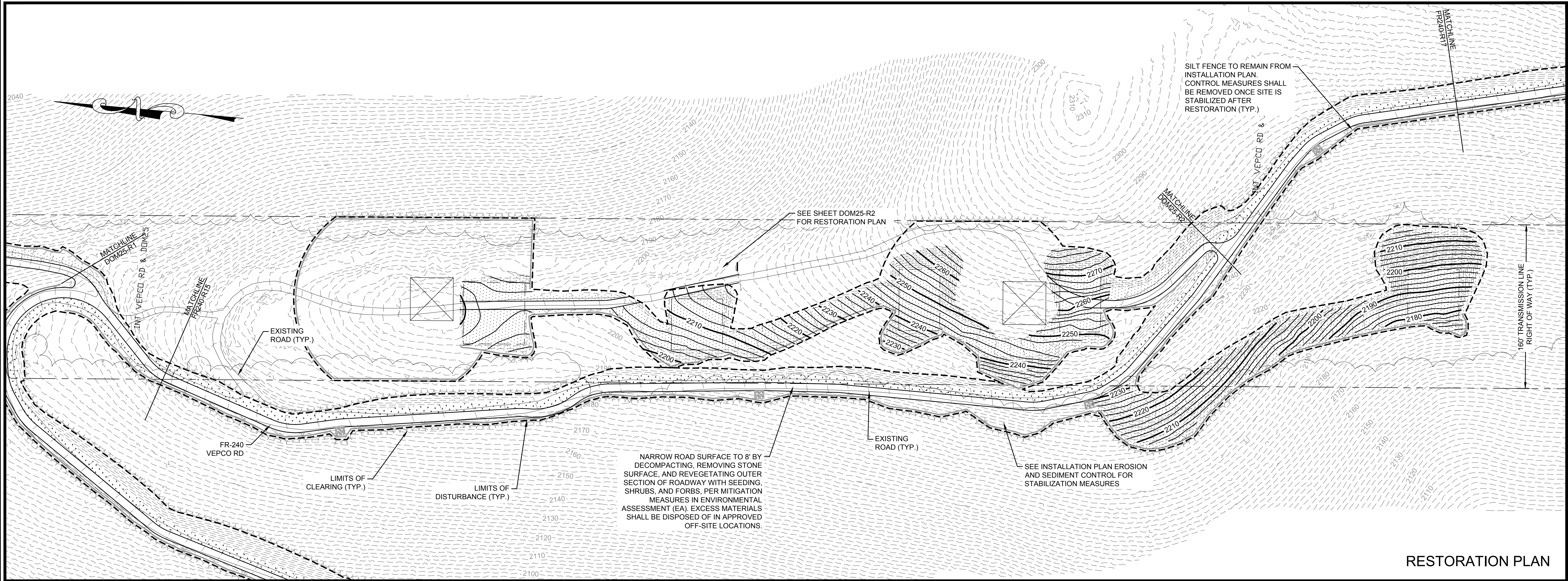
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R16

SHEET NO.



RESTORATION PLAN

STA 538+00 TO 552+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	520.1	418.9	101.2 (CUT)
INSTALLATION TOTALS	520.1	418.9	101.2 (CUT)

STA 538+00 TO 552+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 538+00 TO 552+00 INSTALLATION	101.2 (CUT)
STA 538+00 TO 552+00 RESTORATION	207.4 (CUT)
STA 538+00 TO 552+00 TOTAL	308.6 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-41 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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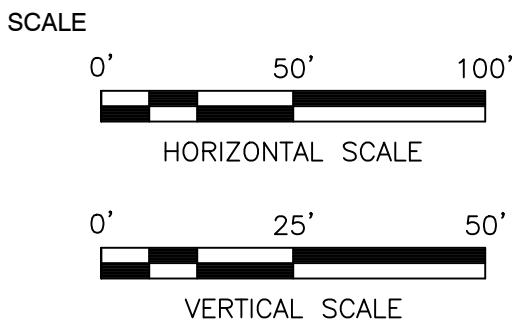
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	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
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TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
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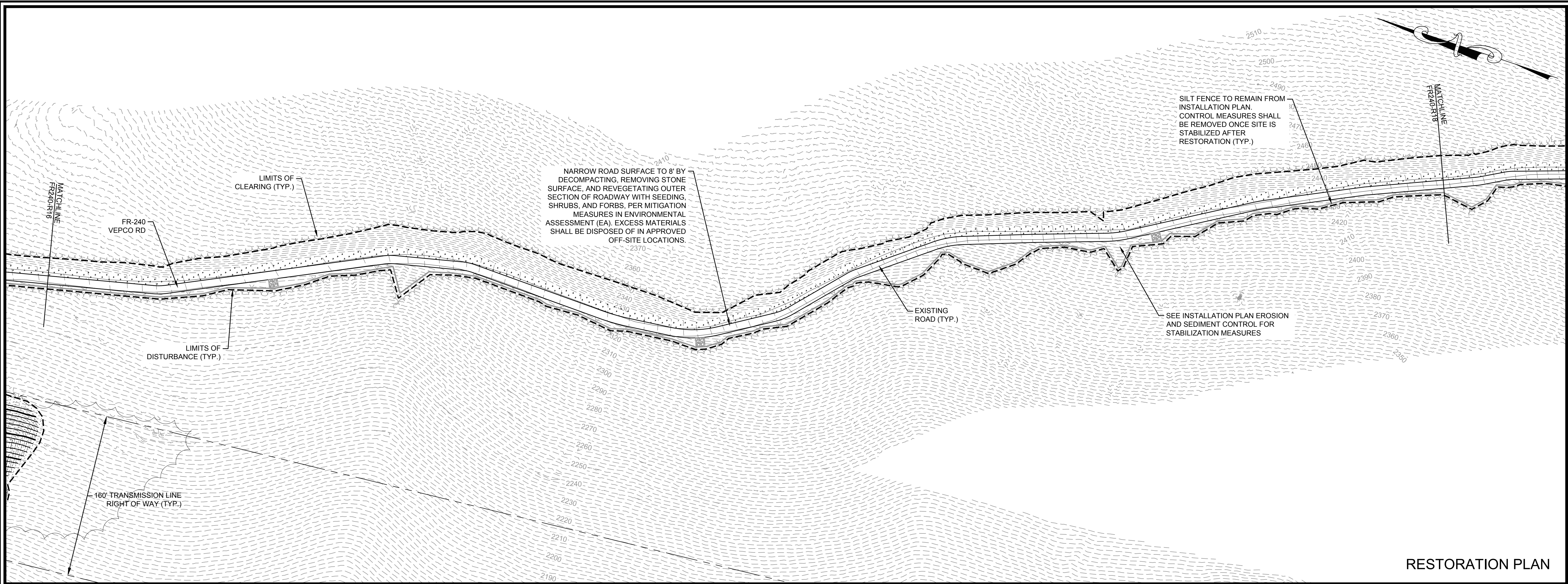
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R17

SHEET NO.



RESTORATION PLAN

STA 552+00 TO 566+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	2851.2	357.5	2493.7 (CUT)
INSTALLATION TOTALS	2851.2	357.5	2493.7 (CUT)

STA 552+00 TO 566+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 552+00 TO 566+00 INSTALLATION	2493.7 (CUT)
STA 552+00 TO 566+00 RESTORATION	207.4 (CUT)
STA 552+00 TO 566+00 TOTAL	2701.1 (CUT)

RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-42 FOR "INSTALLATION PLAN".
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

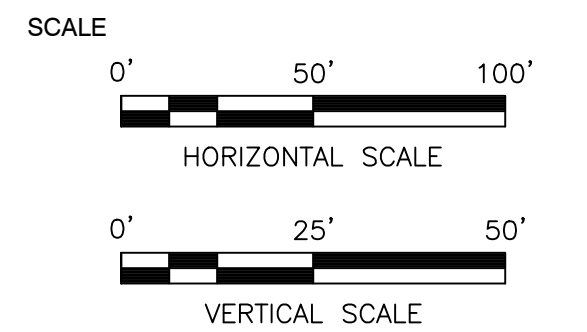
HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

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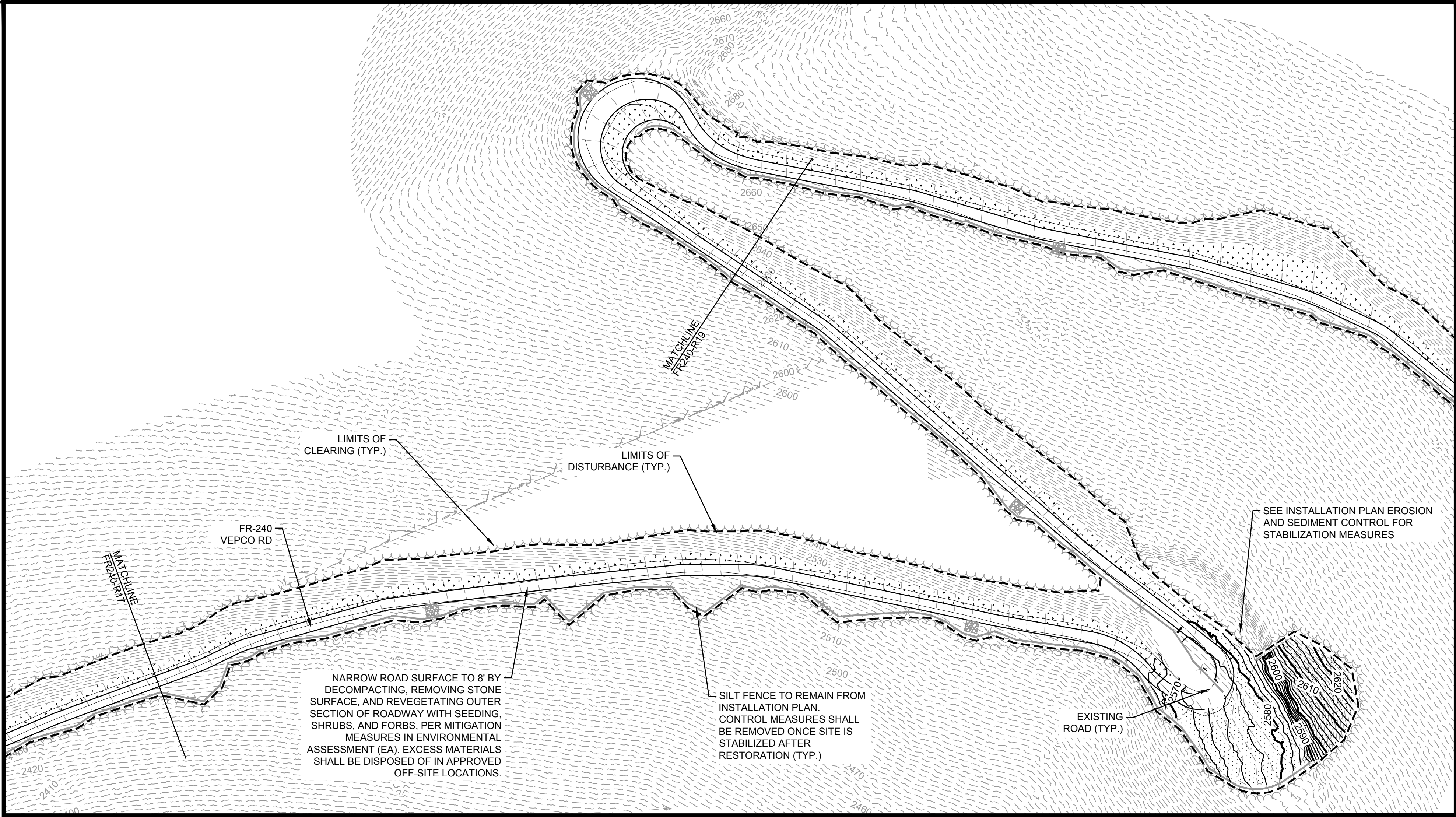
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R18

SHEET NO.



STA 566+00 TO 580+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	3034.9	696.0	2338.9 (CUT)
INSTALLATION TOTALS	3034.9	696.0	2338.9 (CUT)

STA 566+00 TO 580+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE VEPKO ROAD IMPROVEMENT	420.4	993.9	573.5 (FILL)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	627.8	993.9	366.1 (FILL)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 566+00 TO 580+00 INSTALLATION	2338.9 (CUT)
STA 566+00 TO 580+00 RESTORATION	366.1 (FILL)
STA 566+00 TO 580+00 TOTAL	1972.8 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-43 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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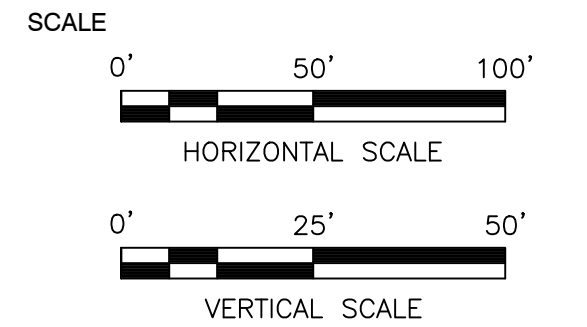
E&SC LEGEND	
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HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

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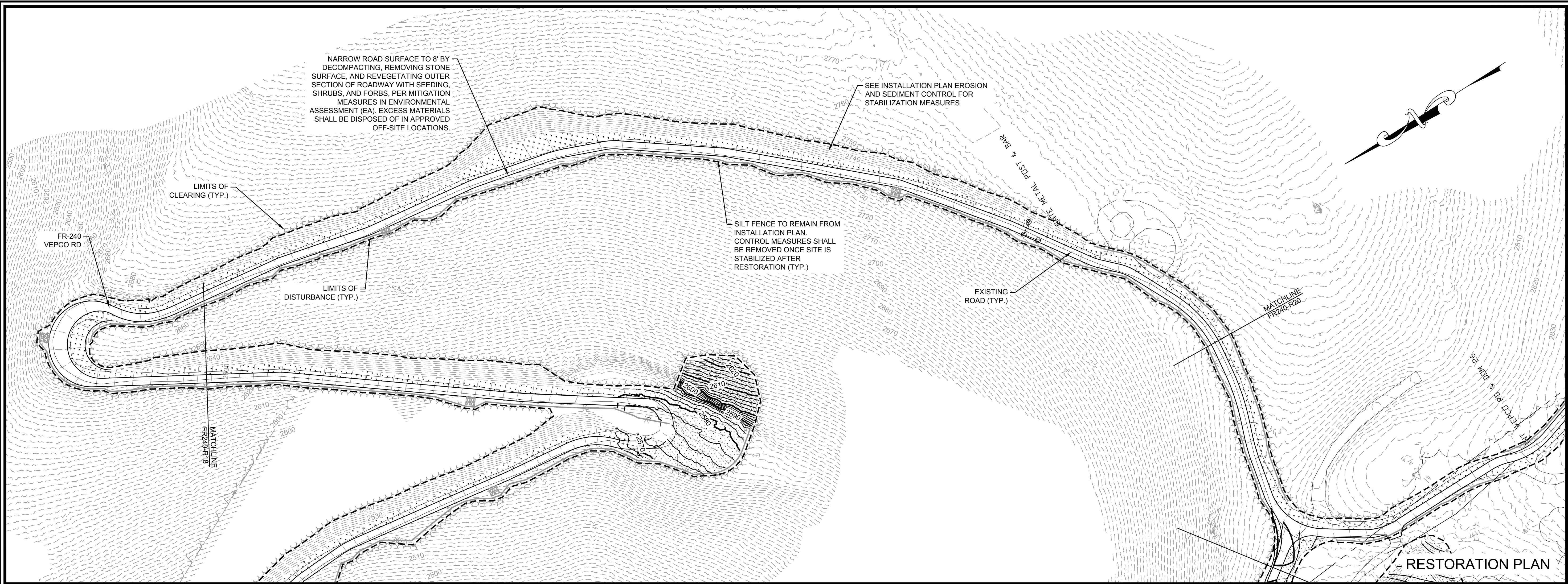
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R19

SHEET NO.



STA 580+00 TO 594+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	2593.4	244.5	2348.9 (CUT)
INSTALLATION TOTALS	2593.4	244.5	2348.9 (CUT)

STA 580+00 TO 594+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 580+00 TO 594+00 INSTALLATION	2348.9 (CUT)
STA 580+00 TO 594+00 RESTORATION	207.4 (CUT)
STA 580+00 TO 594+00 TOTAL	2556.3 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-44 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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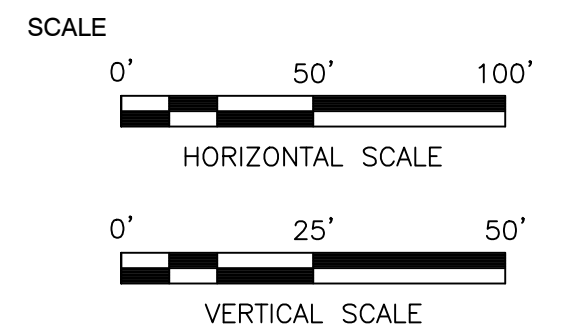
E&SC LEGEND	
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TRANSMISSION LINE REBUILD
PROJECT TL 550
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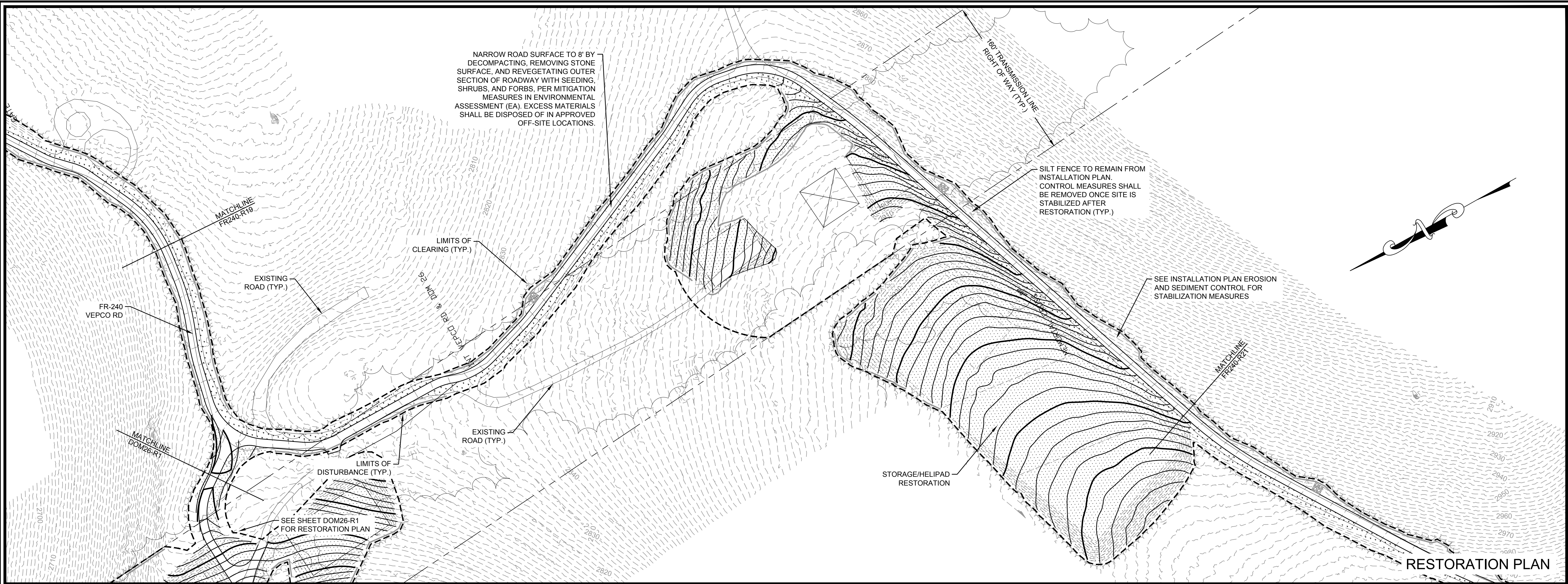
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R20

SHEET NO.



STA 594+00 TO 608+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO RD IMPROVEMENT	805.3	1000.8	195.5 (FILL)
INSTALL STORAGE/HELIPAD	13893.8	2799.1	11094.7 (CUT)
INSTALLATION TOTALS	14699.1	3799.9	10899.2 (CUT)

STA 594+00 TO 608+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE STORAGE/HELIPAD	2805.9	14138.3	11332.4 (FILL)
8' ROAD DECOMPACTING	207.4	0	207.4 (CUT)
RESTORATION TOTALS	3013.3	14138.3	11125.0 (FILL)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 594+00 TO 608+00 INSTALLATION	10899.2 (CUT)
STA 594+00 TO 608+00 RESTORATION	11125.0 (FILL)
STA 594+00 TO 608+00 TOTAL	225.793 (FILL)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-45 FOR "INSTALLATION PLAN".
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 - EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
 - PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

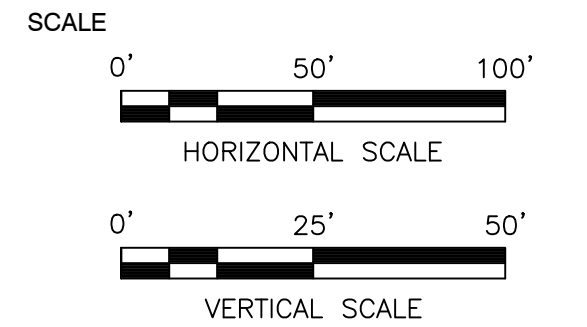
E&SC LEGEND	
	PROPOSED 12" SILT SOCK
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RIPRAP APRON
	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

SEAL

PRELIMINARY
NOT FOR CONSTRUCTION



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DATE 05/21/21

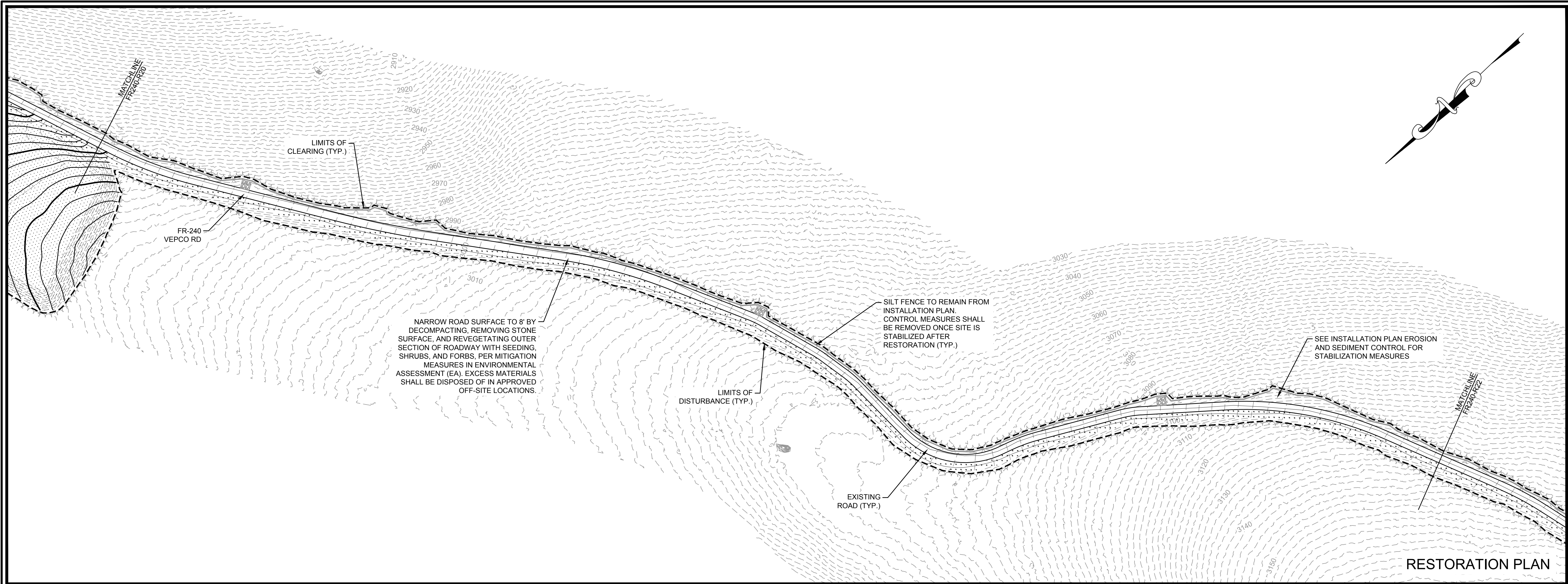
TITLE

FR-240
VEPCO ROAD
RESTORATION
PLAN

PROJECT NO. 50106442

FR240-R21

SHEET NO.



STA 608+00 TO 622+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	525.3	354.9	170.4 (CUT)
INSTALLATION TOTALS	525.3	354.9	170.4 (CUT)

STA 608+00 TO 622+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	207.4	0.0	207.4 (CUT)
RESTORATION TOTALS	207.4	0.0	207.4 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 608+00 TO 622+00 INSTALLATION	170.4 (CUT)
STA 608+00 TO 622+00 RESTORATION	207.4 (CUT)
STA 608+00 TO 622+00 TOTAL	377.8 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-46 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
 - FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
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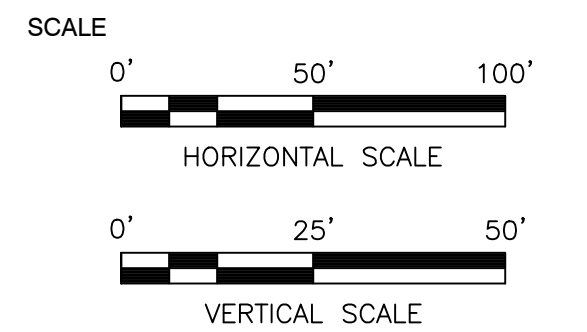
E&SC LEGEND	
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	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED LIMITS OF DISTURBANCE
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	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

SEAL

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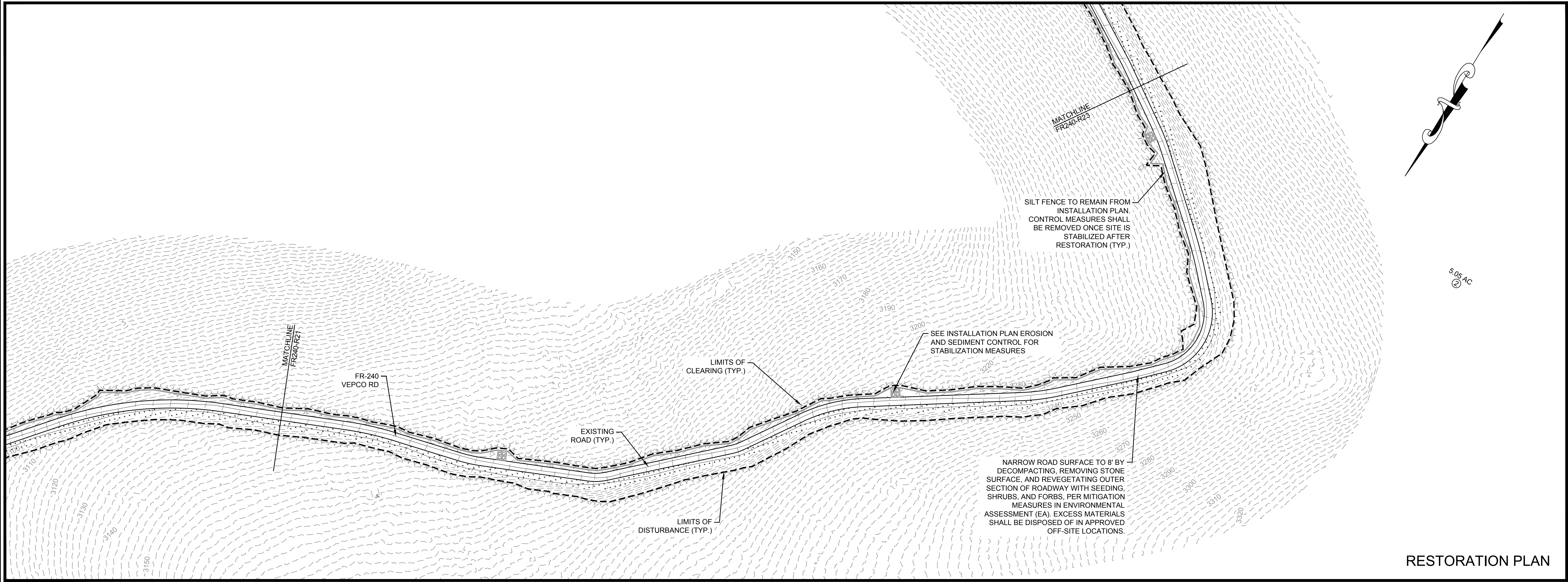


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TITLE
FR-240 VEPCO ROAD RESTORATION PLAN
PROJECT NO. 50106442

FR240-R22

SHEET NO.



RESTORATION PLAN

STA 622+00 TO 634+00 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
VEPCO ROAD IMPROVEMENT	714.3	299.0	415.3 (CUT)
INSTALLATION TOTALS	714.3	299.0	415.3 (CUT)

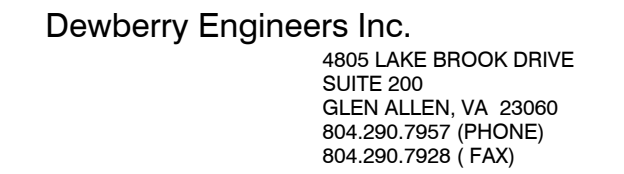
STA 622+00 TO 634+00 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	177.8	0.0	177.8 (CUT)
RESTORATION TOTALS	177.8	0.0	177.8 (CUT)

FINAL EARTHWORK BALANCE	
	NET (CY)
STA 622+00 TO 634+00 INSTALLATION	415.3 (CUT)
STA 622+00 TO 634+00 RESTORATION	177.8 (CUT)
STA 622+00 TO 634+00 TOTAL	593.1 (CUT)

- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-47 FOR "INSTALLATION PLAN".
 - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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	PROPOSED LIMITS OF CLEARING

HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
	REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA



SEAL

REVISIONS

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CHECKED BY ARB

DATE 05/21/21

TITLE **FD-340**

PROJECT NO. 50106442



SHEET NO.



STA 634+00 TO 642+25 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
8' ROAD DECOMPACTING	122.2	0.0	122.2 (CUT)
RESTORATION TOTALS	122.2	0.0	122.2 (CUT)

RESTORATION PLAN NOTES

1. PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET FR240-R48 FOR "INSTALLATION PLAN"
2. FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
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HATCH LEGEND	
	TEMPORARY & PERMANENT SEEDING. SEE DOMINION SPEC TE VEP 8000-13-00
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